

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Li et al.
Title: SYSTEM AND METHOD FOR REGISTERING AN IMAGE WITH A
REPRESENTATION OF A PROBE
Serial No:
Art Unit:
Filing Date:
Examiner:
Date: December 31, 2003

INFORMATION DISCLOSURE STATEMENT

ATTN: Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

- [X] 1. A list of documents on Form PTO-1449 or Substitute of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

This paper is submitted in accordance with:

- [X] 2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]
- [] 3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- [] a. The required Certification made in item 5 below; or
- [] b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.

CERTIFICATE OF MAILING

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. EL 979077493 US on December 31, 2003 and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By: Carolyn Simpson Date: December 31, 2003

Name: Carolyn Simpson

4. 37 CFR 1.97(d): [on or before issue fee payment]; and

- a) The required Certification is stated in item 5 below and
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5. Certification

- [] a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
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6. Payment of all applicable fees:

- Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. _____.
- Enclosed is a check in the amount of \$_____ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement

This document is submitted in duplicate.

Respectfully submitted,

Date Dec 31, 2003

By Scott C. Nielson

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Complete if Known

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First Named Inventor

Joel Q. Xue

Group Art Unit

Examiner Name

Attorney Docket Number

066243-0237 (141211)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A-1	6,569,160			Goldin et al.	05-27-2003	
A-2	6,565,511			Panescu et al.	05-20-2003	
A-3	6,558,333			Gilboa et al.	05-06-2003	
A-4	6,546,270			Golden et al.	04-08-2003	
A-5	6,528,991			Ashe	03-04-2003	
A-6	6,522,913			Swanson et al.	02-18-2003	
A-7	6,516,807			Panescu et al.	02-11-2003	
A-8	6,498,944			Ben-Haim et al.	12-24-2002	
A-9	6,498,477			Govari et al.	12-24-2002	
A-10	6,496,712			Dahl et al.	12-17-2002	
A-11	6,490,475			Seeley et al.	12-03-2002	
A-12	6,490,474			Willis et al.	12-03-2002	
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A-16	6,484,118			Govari	11-19-2002	
A-17	6,484,049			Seeley et al.	11-19-2002	
A-18	6,458,123			Brucker et al.	10-01-2002	
A-19	6,456,867			Reisfeld	09-24-2002	
A-20	6,453,190			Acker et al.	09-17-2002	
A-21	6,447,504			Ben-Haim et al.	09-10-2002	
A-22	6,445,943			Ferre et al.	09-03-2002	
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A-25	6,385,476			Osadchy et al.	05-07-2002	
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A-36	6,301,496			Reisfeld	10-09-2001	
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A-41	6,246,898			Vesely et al.	06-12-2001	
A-42	6,246,231			Ashe	06-12-2001	

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Complete if Known**Application Number****Filing Date****First Named Inventor**

Joel Q. Xue

Group Art Unit**Examiner Name**

Attorney Docket Number 066243-0237 (141211)

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		Number	Kind Code ² (if known)			
A-43	6,240,307			Beatty et al.	05-29-2001	
A-44	6,226,543			Gilboa et al.	05-01-2001	
A-45	6,226,542			Reisfeld	05-01-2001	
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A-50	6,188,924			Swanson et al.	02-13-2001	
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A-59	5,983,126			Wittkampf	11-09-1999	
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A-65	5,868,673			Vesely	02-09-1999	
A-66	5,840,025			Ben-Haim	11-24-1998	
A-67	5,833,608			Acker	11-10-1998	
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				Attorney Docket Number	066243-0237 (141211)

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	A-85	5,713,946		Ben-Haim	02-03-1998	
	A-86	5,697,377		Wittkampf	12-16-1997	
	A-87	5,694,945		Ben-Haim	12-09-1997	
	A-88	5,676,673		Ferre et al.	10-14-1997	
	A-89	5,662,108		Budd et al.	09-02-1997	
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	A-95	5,515,853		Smith et al.	05-14-1996	
	A-96	5,480,422		Ben-Haim	01-02-1996	
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	A-100	5,391,199		Ben-Haim	02-21-1995	
	A-101	5,311,866		Kagan et al.	05-17-1994	
	A-102	5,297,549		Beatty et al.	03-29-1994	
	A-103	4,945,305		Blood	07-31-1990	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A-105	ASTROM, M. et al., Least Squares VCG Loop Alignment, 4 Pages	
	A-106	ASTROM M. et al., Vectorcardiographic Loop Alignment and the Measurement of Morphologic Beat-to-Beat Variability in Noisy Signals, IEEE Transactions on Biomedical Engineering, Vol. 47, No. 4, April 2000, pages 497-506	
	A-107	ASTROM M., Vectorcardiographic Loop Alignment in Ischemia Monitoring, Licentiate in Engineering Thesis, April 2000, 75 Pages	

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